Features

- Shielded construction
- Metal alloy powder core
- High saturation current
- Inductance range 0.33 to 10 µH
- AEC-Q200 qualified
- RoHS compliant* and halogen free**

SRP5020TA Series - Shielded Power Inductors

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Bourns Part Number</th>
<th>Inductance @ 100 kHz / 1 V</th>
<th>Q (Min.)</th>
<th>SRF (MHz)</th>
<th>DCR (mΩ)</th>
<th>Irms (A)</th>
<th>Isat (A)</th>
<th>Terminal Type</th>
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<tr>
<td>SRP5020TA-R33M</td>
<td>0.33 20 10 117 6.3 7.3</td>
<td>12 21.3</td>
<td>Lead Frame</td>
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<td>6.2 11</td>
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<td>5.5 9.8</td>
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</tbody>
</table>

General Specifications

Operating Temperature

-40 °C to +150 °C (Temperature rise included)

Storage Temperature (Component)
-40 °C to +150 °C

Rated Current

Inductance drops 20 % at Isat Temperature Rise...40 °C at rated Irms

Moisture Sensitivity Level

1 ESD Classification (HB) N/A

Materials

Core.................Metal alloy powder Wire ......................Enamelled copper Terminal Finish ....................Sn Packaging.....3000 pcs. per 13-inch reel

How to Order

Model
SRP5020TA - 100M

Value Code (see table)

Recommended Layout

![Recommended Layout Image]

Product Dimensions

![Product Dimensions Image]

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WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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SRP5020TA Series - Shielded Power Inductors

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Soldering Profile

![Soldering Profile Diagram]

Packaging Specifications

![Packaging Specifications Diagram]

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